

1. SPECIFICATIONS

S-Series

Model				PUMY-SP80VKMD2-A(-BS)				PUMY-SP112VKMD2-A(-BS)					
Power source				1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz									
Cooling capacity (Nominal)		*1	kW	9.0				12.5					
			kcal/h	7,700				10,800					
			Btu/h	30,700				42,700					
		Power input	kW	2.11				3.10					
			Current input	A	9.79-9.36-8.97				14.38-13.75-13.18				
			COP	kW/kW	4.27				4.03				
Temp. range of cooling		Indoor	W.B.		15 to 24°C (59 to 75°F)								
		Outdoor	D.B.		-5 to 52°C *3,*4 (23 to 126°F)								
Heating capacity (Nominal)		*2	kW	10.0				14.0					
			kcal/h	8,600				12,000					
			Btu/h	34,100				47,800					
		Power input	kW	2.27				3.17					
			Current input	A	10.53-10.07-9.65				14.70-14.06-13.48				
			COP	kW/kW	4.41				4.42				
Temp. range of heating		Indoor	D.B.		15 to 27°C (59 to 81°F)								
		Outdoor	W.B.		-20 to 15°C (-4 to 59°F)								
Indoor unit connectable		Total capacity		50 to 130% of outdoor unit capacity									
		Model/ Quantity		CITY MULTI		P10-P100/9				P10-P140/12			
				Branch box		P15-P100/7				P15-P100/8			
				Mixed system	Branch box	CITY MULTI	P10-P100	5	4	3	P10-P140	5	
					1 unit	Branch box	P15-P100	3	4	5	P15-P100	5	
					Branch box	CITY MULTI	P10-P100	3	2	1	P10-P140	3	
2 units	Branch box	P15-P100	5	6	7	P15-P100	8						
Sound pressure level (measured in anechoic room)			dB <A>		51/54				52/54				
Refrigerant piping diameter		Liquid pipe	mm (inch)		9.52 (3/8) Flare								
		Gas pipe	mm (inch)		15.88 (5/8) Flare								
Fan		Type × Quantity		Propeller Fan × 1									
		Airflow rate	m³/min	75/75				77/75					
			L/s	1250/1250				1283/1250					
			cfm	2649/2649				2719/2649					
		Control, Driving mechanism		DC control									
		Motor output		kW		0.20 × 1							
		External static press.		0 Pa/30 Pa*5									
Compressor		Type × Quantity		Twin rotary hermetic compressor × 1									
		Manufacturer		Mitsubishi Electric Corporation									
		Starting method		Inverter									
		Capacity control	%	Cooling 29 to 100				Cooling 26 to 100					
				Heating 24 to 100				Heating 20 to 100					
		Motor output		kW		1.5				2.2			
		Case heater		kW		0							
		Lubricant		FV50S (1.4liter)									
External finish				Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1									
External dimension H × W × D		mm	981 × 1,050 × 330 (+25)										
			38-5/8 × 41-3/8 × 13 (+1)										
				inch									
Protection devices		High pressure protection		High pressure Switch									
		Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)									
		Compressor		Compressor thermistor, Overcurrent detection, Compressor protector									
		Fan motor		Overheating, Voltage protection									
Refrigerant		Type × original charge		R410A × 3.5 kg (8 lb)									
		Control		Linear expansion valve									
Net weight		kg (lb)		93 (205)*6									
Heat exchanger				Cross Fin and Copper tube									
HIC circuit (HIC: Heat Inter-Changer)				Double pipe heat exchanger									
Defrosting method				Reversed refrigerant circuit									
Standard attachment		Document		Installation Manual									
		Accessory		Grounded lead wire									
Optional parts				Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E									
Remarks		*1 Nominal cooling conditions				*2 Nominal heating conditions				Unit converter			
Indoor:		27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]				20°C D.B. [68°F D.B.]				kcal/h = kW × 860			
Outdoor:		35°C D.B. [95°F D.B.]				7°C DB/6°C W.B. [45°F D.B./43°F W.B.]				Btu/h = kW × 3,412			
Pipe length:		7.5 m [24-9/16 ft]				7.5 m [24-9/16 ft]				cfm = m³/min × 35.31			
Level difference:		0 m [0 ft]				0 m [0 ft]				lb = kg/0.4536			
*3 10 to 52°C(D.B.): When connecting following models such as PKFY-P15/20/25VBM, PEFY-P15/20/25/32/40VMX(L)-E(1), PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLE(R)M(M), PFFY-P20/25/32VKM, PFFY-P20/25/32VEM-E, and M series, S series, and P series type indoor unit.										Above specification data is subject to rounding variation.			
*4 -15 to 52°C(D.B.): When using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.													
*5 0 Pa which is configured at the factory													
*6 94 (207), for PUMY-SP80/112VKMD2-BS													
Notes:1. Nominal conditions *1, *2 are subject to ISO 15042.													
2. Due to continuing improvement, above specifications may be subject to change without notice.													

1. SPECIFICATIONS

S-Series

Model				PUMY-SP125VKMD2-A(-BS)		PUMY-SP140VKMD2-A(-BS)				
Power source				1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz						
Cooling capacity (Nominal)		*1 kW			14.0		15.5			
		*1 kcal/h			12,000		13,300			
		*1 Btu/h			47,800		52,900			
		Power input	kW			3.84		4.31		
		Current input	A			17.81-17.04-16.33		19.99-19.12-18.32		
		COP	kW/kW		3.65		3.60			
Temp. range of cooling		Indoor	W.B.		15 to 24°C (59 to 75°F)					
		Outdoor	D.B.		-5 to 52°C *3,*4 (23 to 126°F)					
Heating capacity (Nominal)		*2 kW			16.0		16.5			
		*2 kcal/h			13,800		14,200			
		*2 Btu/h			54,600		56,300			
		Power input	kW			3.90		4.02		
		Current input	A			18.09-17.30-16.58		18.65-17.83-17.09		
		COP	kW/kW		4.10		4.10			
Temp. range of heating		Indoor	D.B.		15 to 27°C (59 to 81°F)					
		Outdoor	W.B.		-20 to 15°C (-4 to 59°F)					
Indoor unit connectable		Total capacity		50 to 130% of outdoor unit capacity						
		Model/ Quantity		CITY MULTI		P10-P140/12		P10-P140/12		
				Branch box		P15-P100/8		P15-P100/8		
				Mixed system	Branch box	CITY MULTI	P10-P140	5	P10-P140	5
					1 unit	Branch box	P15-P100	5	P15-P100	5
					Branch box	CITY MULTI	P10-P140	3	P10-P140	3
2 units	Branch box	P15-P100	8	P15-P100	8					
Sound pressure level (measured in anechoic room)		dB <A>		53/56		54/56				
Refrigerant piping diameter		Liquid pipe		mm (inch)		9.52 (3/8) Flare				
		Gas pipe		mm (inch)		15.88 (5/8) Flare				
Fan		Type × Quantity		Propeller Fan × 1						
		Airflow rate		m³/min		81/83		81/83		
				L/s		1350/1383		1350/1383		
				cfm		2861/2931		2861/2931		
		Control, Driving mechanism		DC control						
		Motor output		kW		0.20 × 1				
		External static press.		0 Pa/30 Pa*5						
Compressor		Type × Quantity		Twin rotary hermetic compressor × 1						
		Manufacturer		Mitsubishi Electric Corporation						
		Starting method		Inverter						
		Capacity control		%		Cooling 24 to 100		Cooling 21 to 100		
						Heating 18 to 100		Heating 17 to 100		
		Motor output		kW		2.5		3.1		
		Case heater		kW		0				
Lubricant		FV50S (1.4litter)								
External finish				Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1						
External dimension H × W × D		mm		981 × 1,050 × 330 (+25)						
		inch		38-5/8 × 41-3/8 × 13 (+1)						
Protection devices		High pressure protection		High pressure Switch						
		Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)						
		Compressor		Compressor thermistor, Overcurrent detection, Compressor protector						
		Fan motor		Overheating, Voltage protection						
Refrigerant		Type × original charge		R410A × 3.5 kg (8 lb)						
		Control		Linear expansion valve						
Net weight		kg (lb)		93 (205)*6						
Heat exchanger				Cross Fin and Copper tube						
HIC circuit (HIC: Heat Inter-Changer)				Double pipe heat exchanger						
Defrosting method				Reversed refrigerant circuit						
Standard attachment		Document		Installation Manual						
		Accessory		Grounded lead wire						
Optional parts				Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E						
Remarks								Unit converter		
Indoor:		27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]		20°C D.B. [68°F D.B.]		kcal/h = kW × 860				
		35°C D.B. [95°F D.B.]		7°C DB/6°C W.B. [45°F D.B./43°F W.B.]		Btu/h = kW × 3,412				
		7.5 m [24-9/16 ft]		7.5 m [24-9/16 ft]		cfm = m³/min × 35.31				
		0 m [0 ft]		0 m [0 ft]		lb = kg/0.4536				
*3 10 to 52°C(D.B.):		When connecting following models such as PKFY-P15/20/25VBM, PEFY-P15/20/25/32/40VMX(L)-E(1), PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLE(R)M(M), PFFY-P20/25/32VKM, PFFY-P20/25/32VEM-E, and M series, S series, and P series type indoor unit.						Above specification data is subject to rounding variation.		
*4 -15 to 52°C(D.B.):		When using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.								
*5 0 Pa which is configured at the factory										
*6 94 (207), for PUMY-SP125/140VKMD2-BS										
Notes:1. Nominal conditions *1, *2 are subject to ISO 15042.										
2. Due to continuing improvement, above specifications may be subject to change without notice.										

PUMY-SP-VKMD2-A, PUMY-SP-YKMD2-A, PUMY-P-VKMD2-A, PUMY-P-YKMD2-A, PUMY-P-YBMD-A